

**IN THE CLAIMS:**

Please delete claims 8 and 12-15 without prejudice or disclaimer.

Please amend claims 1 and 2 as follows:

1. (Amended) An isolated gene coding for a protein having activity that transfers a glycoside to the 5 position of a flavonoid.

2. (Amended) A gene as set forth in claim 1 that codes for a protein having an amino acid sequence as shown in any one of SEQ ID NOs: 7 through 10 or 12 and having activity that transfers a glycoside to the 5 position of a flavonoid, or a protein having an amino acid sequence modified by addition and/or deletion of one or more amino acids and/or substitutions by one or more other amino acids relative to said amino acids and maintains activity that transfers a glycoside to the 5 position of a flavonoid.

Please add new claims 20-24 as follows:

--20. A isolated nucleic acid molecule comprising a sequence of nucleotides encoding, or complementary to, a sequence encoding a plant flavonoid-5-glucosyltransferase (5GT).

21. An isolated nucleic acid molecule according to claim 20, wherein the plant is selected from the group consisting of Perilla, torenia, verbena and petunia.

22. An isolated nucleic acid molecule according to claim 21, comprising a nucleotide sequence, or nucleotide sequence complementary to a nucleotide sequence as set forth in SEQ ID NOs: 7-10 or 12, or having at least 50% homology thereto.

23. An isolated nucleic acid molecule which:

- (i) encodes a 5GT of plant origin; and
- (ii) hybridizes under conditions of 5 x SCC and 50°C with a nucleotide sequence as set forth in SEQ ID NOs: 7-10 and 12, or to a complementary strand thereof.

24. An isolated gene coding for a protein having activity that transfers a glycoside to the 5 position of a flavonoid, wherein said gene encodes a protein having an amino acid sequence selected from the group consisting of those shown in SEQ ID NOs: 7-10 and 12,

an amino acid sequence which is at least 50% homologous with an amino acid sequence as shown in SEQ ID NOs: 7-10 and 12, and

an amino acid sequence which will hybridize with the complementary strand of an amino acid sequence as shown in SEQ ID NOs: 7-10 and 12.--